

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (currently amended) Braked rolling bearing device of the type for a control wheel, said bearing device comprising:

an outer part and an inner part, one of said outer and inner parts being able to rotate with respect to an other one of said outer and inner parts, which does not rotate, by means of at least one row of rolling elements arranged between the rotating and non-rotating parts;

a means for detecting rotation parameters; and

a means for continuously braking the rotating part during rotation thereof,

said means for braking comprising an annular friction member and at least one component equipped with flexible tabs bearing against the annular friction member to continuously brake the rotating part, one of said annular friction member and said at least one component equipped with flexible tabs being rotating and another one of said annular friction member and said at least one component equipped with flexible tabs being non-rotating.

2. (original) Device according to Claim 1, wherein the tabs are axially flexible.

3. (original) Device according to Claim 1, wherein the tabs are radially flexible.

4. (original) Device according to Claim 1, wherein the tabs are arranged in opposing pairs.

5. (previously presented) Device according to Claim 1, wherein the tabs are uniformly distributed about a circumference of said means for braking.

6. (previously presented) Device according to Claim 1, wherein said means for braking is push-fitted onto a support of said outer part.

7. (previously presented) Device according to Claim 1, wherein said means for braking is push-fitted onto a shaft secured to said inner part.

8. (previously presented) Device according to Claim 1, wherein said means for braking comprises a push-fit portion that extends axially with respect to an axis of rotation of said device and a portion equipped with said tabs that extends radially with respect to said axis of rotation, said tabs extending axially with respect to said axis of rotation.

9. (previously presented) Device according to claim 1, wherein said means for braking comprises a push-fit portion equipped with said tabs.

10. (previously presented) Device according to claim 1, wherein said means for braking forms a sealing means by way of a narrow passage.

11. (original) Device according to claim 1, wherein the annular friction member comprises a support and a friction lining.

12. (previously presented) Device according to claim 1, wherein the annular friction member comprises a support mounted axially between said inner part and a shoulder of an element secured to said inner part.

13. (previously presented) Device according to claim 1, wherein the annular friction member comprises a support push-fitted onto an element secured to said inner part.

14. (previously presented) Device according to claim 1, wherein the annular friction member comprises a friction lining supported directly by an element secured to said inner part.

15. (previously presented) Device according to claim 1, further comprising a seal protecting the means for braking.

16. (original) Device according to claim 1, wherein the means for detecting rotation parameters comprises a sensor secured to the non-rotating part and an encoder secured to the rotating part.

17. (original) Device according to claim 1, wherein the means for detecting the rotation parameters comprises a sensor mounted in a cover equipped with a wire outlet.

18. (previously presented) Device according to claim 1, wherein the inner part of the bearing device is push-fitted onto a shaft supporting the control wheel.

19. (previously presented) Device according to Claim 18, wherein said shaft is provided with a shoulder extending outwards.

20. (previously presented) Device according to claim 1, wherein the outer part of the bearing device is push-fitted into a casing supporting part of the means for braking.

21. (previously presented) Device according to claim 1,

further comprising a cover fixed onto an end of a casing enclosing said device so as to close off said casing on a side opposite to the control wheel.

22. (currently amended) Braked rolling bearing device for a wheel, said device comprising:

an outer part, an inner part, one of the outer part and the inner part being able to rotate with respect to the other part;

at least one row of rolling elements arranged between the rotating and non-rotating parts;

a rotation parameters detector; and

a brake for continuously braking the rotating part during rotation thereof, said brake comprising an annular friction member and at least one component equipped with flexible tabs bearing against the annular friction member to continuously brake the rotating part, one of said annular friction member and said at least one component equipped with flexible tabs being rotating and another one of said annular friction member and said at least one component equipped with flexible tabs being non-rotating.

23. (currently amended) Braked rolling bearing device for a wheel, said device comprising:

an outer part, an inner part, at least one row of

rolling elements arranged between said outer and inner parts so that one of the outer part and inner part is able to rotate with respect to the other part;

a rotation parameters sensor; and

a brake for continuously braking the rotating part during rotation thereof, said brake comprising an annular friction member and flexible tabs bearing against the annular friction member to continuously brake the rotating part, one of said annular friction member and said flexible tabs being rotating and another one of said annular friction member and said flexible tabs being non-rotating.